EDY82674.1	* :	RENLYFQGVPXNIF	AILETCI VVT SIKOLTI VTAE GIFEVAVKVKN 	LDRMLAFYTNM LEKSSQFYTEI LDRACAFYAQV LPAAKLFYRDT	FGYSVMAAD ILGAQHVHEQ ILGFEAGLLD ILGLQPMHRD ILGLELMRES	ADA-FTIQLGV SARRWNELWVS ARM-AAYAIAP E-IVIVERLQD	RÇVLL FLHO SQ QFRA- GRAGX VLQ- AÇVLL FLQO S-VLL	GSTTTTVRLPGG -FDPRKSSPPGF	AADGTKP EEKENWQ TIPPHDGHG AVPSHGTSG	: 57 : 85 : 70 : 70
EDY82674.1	0 * : FVHIGFGTSSES <u>I</u> : FYHIAINIAANHF : QQHFSFRVEKSET : HTHYALAIATESI : EGHIAFAATDEEI : FVHVAFCVPTDQI	EPLKKALESKG AAWEAHLHACI REWEVHLESKG	VALE-STITUF TENDEDQAYFF VSVH-GFVNQE VALE-GRTQVF LELE-SVVEVG	P-RGGTSIYFRD PFFNAYSCYVED WXQAVSIYFAD P-GGGQSMYFRD -EGGESIYVRD	EDGHLL <mark>EIV</mark> PSGNIIELI PNGHALEFT EDDHIVELA PAGNSVEFA	AL TPGLWPNY PSTLWGGGWD-	PFSADQLLS			: 141 : 131 : 136
EDY82674.1	00 * : AELFVKLDQIEPA : :					TETGELVI				: -
EDY82674.1			- - - - 9							

S3 Fig. Sequence alignment of TxeA, TflA, and VOC superfamily proteins. The amino acid sequence of VOC superfamily proteins and the corresponding GenBank accession numbers are as follows: 3GHJ_A; Chain A, Crystal Structure From The metagenomic protein from Halifax harbour sewage outfall, NP_635587; lactoyl glutathione lyase from *Xanthomonas campestris* pv.; glyoxalase family protein from *Verrucomicrobiae bacterium* DG1235, YP_446160; glyoxalase family protein from *Salinibacterruber* DSM 13855. The highlighted red letters indicate the conserved amino acids in metal-binding motif.